

WHAT IS CLAIMED IS:

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1. A disk unit for reading information from or writing information to a disk by means of a head supported by an actuator, the disk and the actuator being contained in a housing of the disk unit, the disk unit comprising:

a shroud having a face perpendicular to a surface of the disk and opposing a peripheral edge of the disk; and

a spoiler having a given height in a direction perpendicular to the surface of the disk and extending above the surface of the disk from the peripheral edge to a center of the disk.

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2. The disk unit as claimed in claim 1, wherein said shroud and said spoiler are provided in a counter-rotational direction of the disk from the actuator.

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3. The disk unit as claimed in claim 2, wherein said shroud is provided in the counter-rotational direction of the disk from said spoiler.

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4. The disk unit as claimed in claim 3,

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wherein said shroud has an end in the rotational direction of the disk, the end being separated from a surface of said spoiler by a distance of 5 mm or less, the surface receiving airflow generated by disk rotation.

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10           5. The disk unit as claimed in claim 1, wherein said shroud and said spoiler are formed integrally with each other.

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                 6. The disk unit as claimed in claim 1, wherein the face of said shroud is curved along the peripheral edge of the disk.

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                 7. The disk unit as claimed in claim 1, wherein the face of said shroud is flat.

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30           8. A disk unit for reading information from or writing information to a disk by means of a head supported by an actuator, the disk and the actuator being contained in a housing of the disk unit, the disk unit comprising:

35           a spoiler having a given height in a direction perpendicular to the surface of the disk and extending above the surface of the disk from the

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peripheral edge to a center of the disk, the spoiler  
being provided in proximity to a boundary between a  
first area where an inner wall of the housing runs  
side by side with the peripheral edge of the disk  
5 and a second area where a distance between the inner  
wall and the peripheral edge becomes longer than in  
the first area.

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9. The disk unit as claimed in claim 8,  
wherein said spoiler is provided in a counter-  
rotational direction of the disk from the actuator.

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10. The disk unit as claimed in claim 9,  
20 wherein said spoiler has a surface for receiving  
airflow generated by disk rotation, the surface  
being away from the boundary by a distance of 5 mm  
or less.

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11. A disk unit comprising:  
a disk;  
30 an actuator for supporting a head that  
reads information from or writes information to the  
disk;  
a first member for regulating airflow  
generated by disk rotation so that the airflow flows  
35 in a rotational direction of the disk; and  
a second member for receiving and  
regulating the airflow regulated by said first

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member so as to prevent the airflow from flowing toward the actuator.

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12. The disk unit as claimed in claim 11, wherein said first and second members are provided in a counter-rotational direction of the disk from the actuator.

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13. The disk unit as claimed in claim 12, wherein said first member is provided in the counter-rotational direction of the disk from said second member.

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14. The disk unit as claimed in claim 11, wherein said first and second members are integrally formed with each other.

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15. The disk unit as claimed in claim 11, wherein the airflow is regulated by said second member to flow in a radial direction of the disk.

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16. The disk unit as claimed in claim 11,

wherein said first member is a shroud and said second member is a spoiler.

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17. A disk unit comprising:  
a disk;

an actuator for supporting a head that  
10 reads information from or writes information to the disk; and

an airflow-regulating member for receiving and regulating airflow generated by disk rotation so as to prevent the airflow from flowing toward the  
15 actuator, the airflow-regulating member being provided in proximity to a boundary between a first area where an inner wall of a housing of the disk runs side by side with a peripheral edge of the disk and a second area where a distance between the inner  
20 wall and the peripheral edge becomes longer than in the first area.

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18. The disk unit as claimed in claim 17, wherein said airflow-regulating member is provided in a counter-rotational direction of the disk from the actuator.

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19. The disk unit as claimed in claim 17,  
35 wherein said airflow-regulating member is a spoiler.

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